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PIRANHA Dissolvable Cement Retainer

The PIRANHA Dissolvable Cement Retainer is a dissolvable isolation tool developed by Vertechs for squeeze cementing, remedial cementing, well integrity restoration, and plug-and-abandonment (P&A) applications. Constructed from high-strength dissolvable materials and a fast-drillable mandrel, the tool enables setting, pressure testing and cementing squeezing operations in a single run, delivering efficient and reliable downhole isolation.

Once set, the tool provides dependable bidirectional pressure integrity and supports tubing pressure testing to verify system integrity prior to cement placement, enhancing operational safety and treatment reliability. After drill-out, the remains and the majority of the cuttings will dissolve in the wellbore environment, significantly reducing intervention costs while accelerating well return-to-production.

FEATURES

- 5,000 psi differential pressure rating
- Suitable for low temperature application at 104°F (40°C) and high temperature up to 302°F (150°C)
- One-trip setting and squeezing
- Bidirectional pressure holding after setting
- Allows tubing pressure test before squeezing
- Dissolvable packing elements
- Customizable ROD (Rate of Dissolution)
- Setting with special wireline/hydraulic setting tools

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SPECIFICATIONS

Casing Size in. [mm]	Casing Weight lb/ft	Casing ID in. [mm]
4.5 [114.3]	12.6	3.96 [100.5]
Tool OD in. [mm]	Tool ID in. [mm]	Length in. [mm]
3.35 [85]	1.02 [26]	16.73 [425]
Pressure Rating psi [MPa]	Temp Rating °F [℃]	Stinger OD in. [mm]
5,000 [35]	104-302 [40-150]	1.00 [25.4]
*Special customizable designs available upon request		

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